**Quarter 1 Mid-Term – Study Guide**

Know the following:

Unit Conversions:

* Know how to convert between units using Dimensional Analysis.
* Be able to convert within the metric system (including square and cubed units).

Accuracy and Precision:

* Know what they are and how they apply to labs.

Vectors:

* Know how to add them up graphically (Head-to-Tail).
* Adding parallel and perpendicular vectors.
* Be able to resolve them into components.
* Be able to add vectors that are neither perpendicular nor parallel.

Kinematics:

* Know how to use the definition of velocity to solve word problems
* Know how to use the definition of acceleration to solve word problems